

GHRC WEB PRESENCE

ghrc.nsstc.nasa.gov

Presented by Tammy Smith & Shannon Flynn

GHRC Web Team Collaborators:

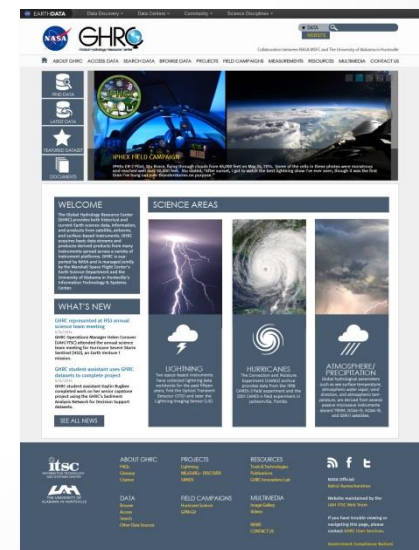
Ken Keiser, Matt He, Ajinkya Kulkarni

Presented at the GHRC User Working Group Meeting
September 25-26, 2014



Overview

- Purpose
- Website Overview
- Social Media
- Recent Improvements
 - Accessibility
 - Increased Visibility
 - External Review
- Looking to the Future
 - New Website
 - Getting to Data
 - Navigation Improvements
 - Sample Project Page
 - Visual Data Browse Options



Purpose

- Present information and data in an efficient manner with least number of clicks
- Public face for the GHRC
- Front page for presenting data, documentation, and software products
- Appeal to audience



Website Overview

- Top Hat
- Featured Items (slider)
- What's New
 - RSS feed
 - Social Media
- Featured projects
- GHRC Data
 - Dataset List
 - Search & Order Data
- Contact User Services



Social Media

- Current news items from RSS feed (<https://www.itsc.uah.edu/home/ghrcnewsfeed>) posted to Facebook and Twitter

twitter.com/GHRCDAAC



facebook.com/ghrc.nsstc



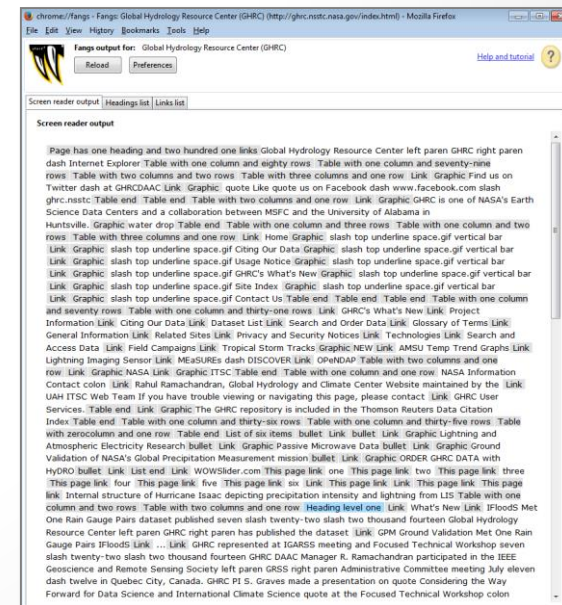
Accessibility



- What is 508 Compliance?

Rehabilitation Act of 1973 amended by Congress in 1998

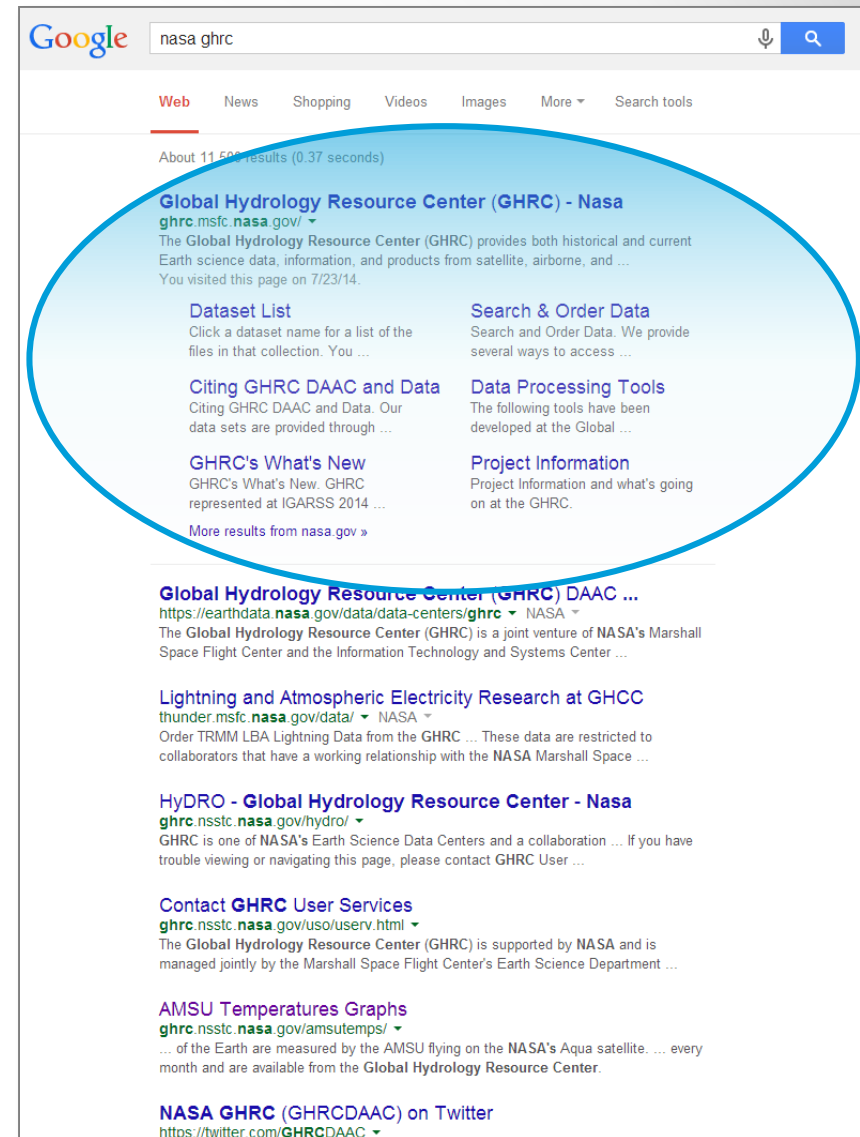
- Amendment requires Federal agencies (i.e., GHRC DAAC) "to make their electronic and information technology (EIT) accessible to people with disabilities."¹
- Readable by a screen reader or refreshable Braille displays
 - E.g. Text descriptions for visuals, information tables must associate data cells with column/row
- Making the GHRC website 508 compliant
 - The current site was altered to increase 508/accessibility compliance
 - A new site built using Drupal will have many accessibility features built-in



9/25/14 – 9/26/14

Visibility

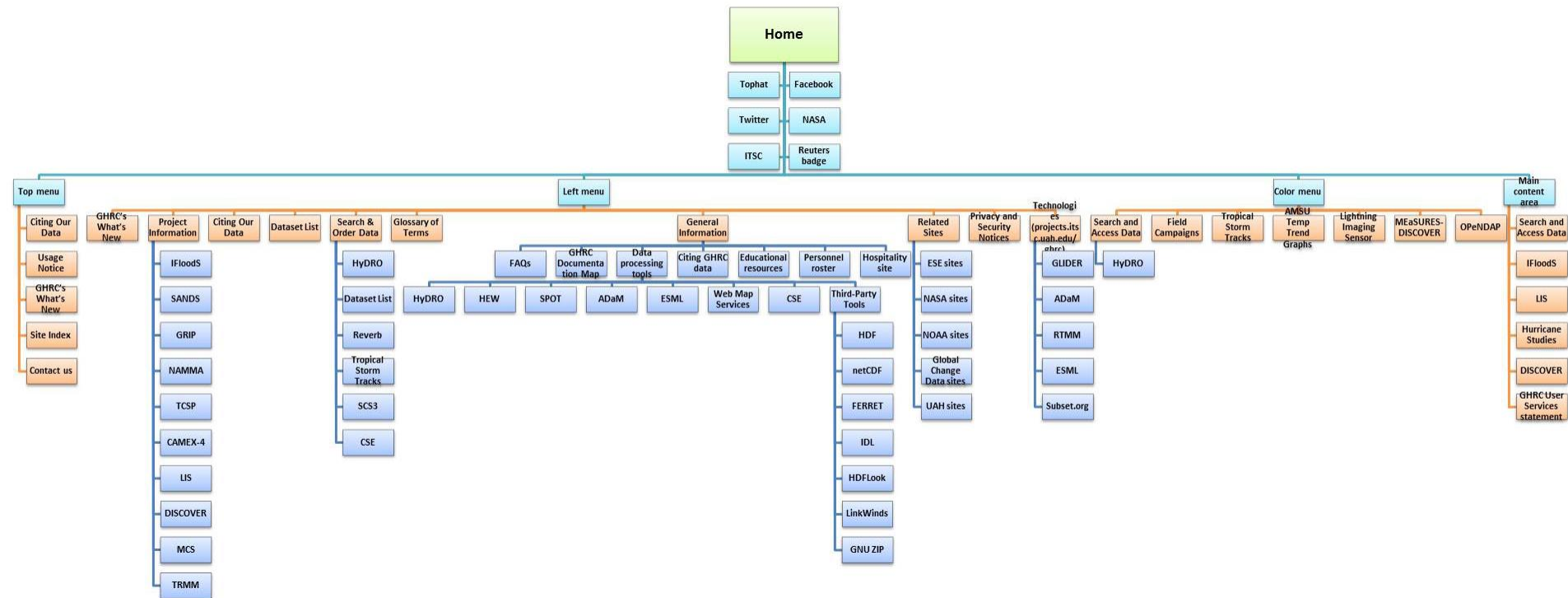
- Improved visibility of the GHRC website in search engines
- Added titles and descriptions to each page of the GHRC website
- Microdata
 - Defined set of meta-tags
 - E.g. "organization" or "dataset name"



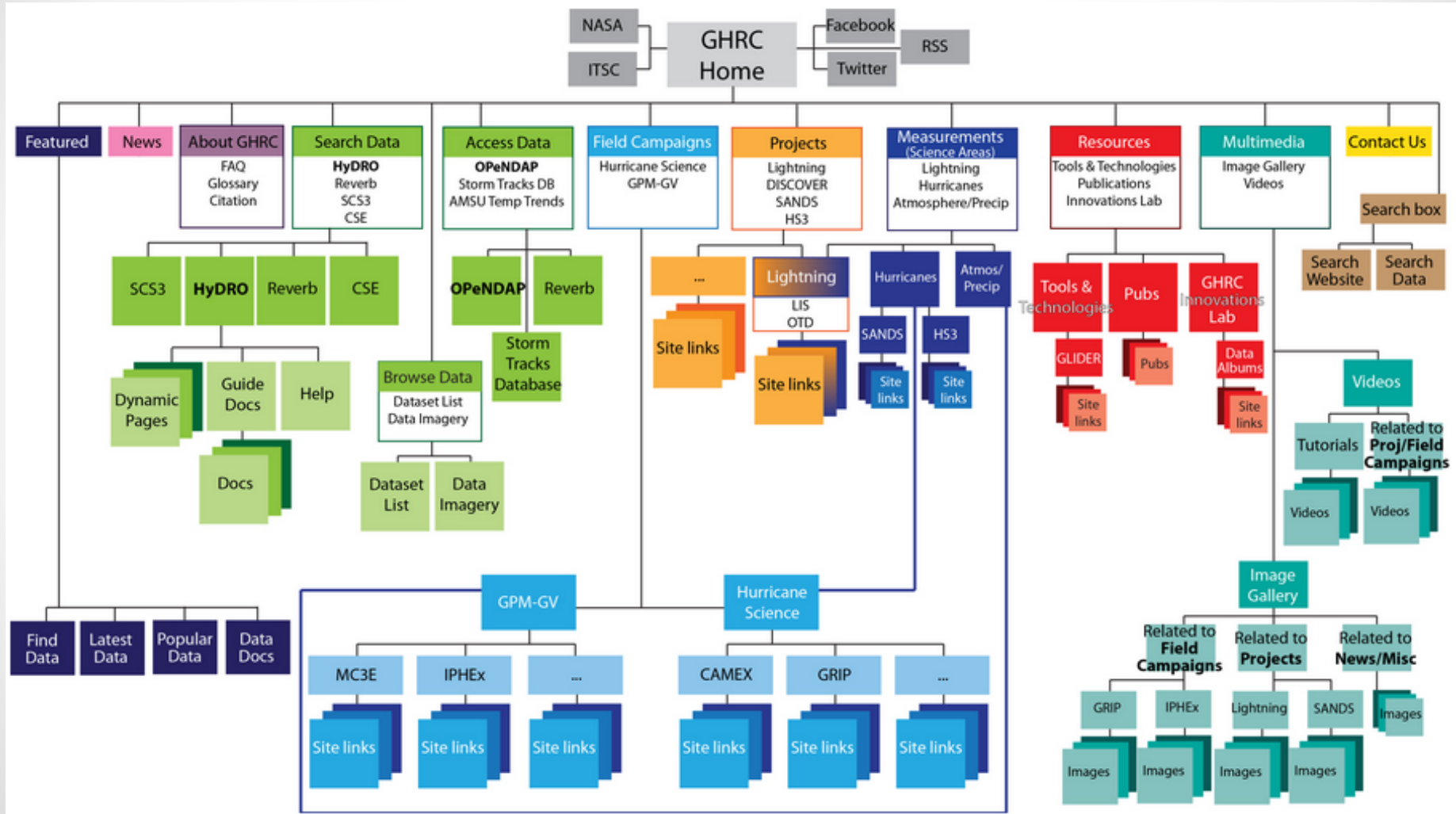
Improving navigation & organization

- Purpose of site clarified: data holding and distribution
 - Many direct routes to data
 - Simpler home page
- Navigation simplified through consistent menus, breadcrumbs, footer, and content-driven links
 - Existing content remains, but presented with user, not internal organization, in mind
 - Breadcrumbs
 - Menu items chosen to represent most common user activities
 - Clearer presentation and grouping of navigation options
 - 3 main areas on homepage
 - Sub-Menu items
- Less competing imagery and more whitespace facilitates easy scanning of content
 - Facilitates quicker evaluation of content: is this page useful to a user or not?

Current site organization

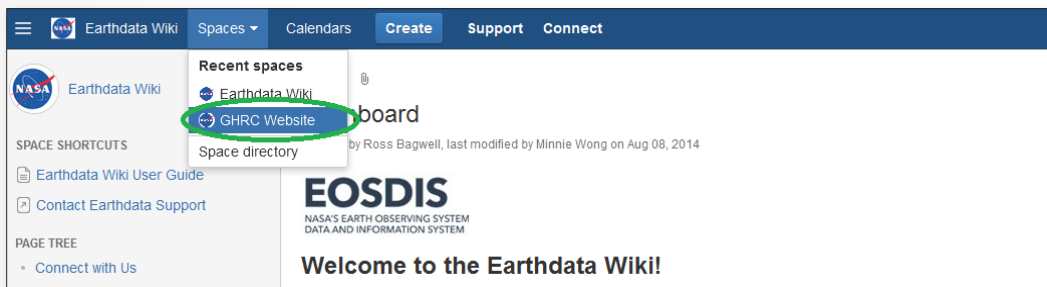


Future site organization



Building the site

The site uses a private wiki within the Earthdata wiki environment for its central repository of decisions, documentation, and planning.



The wiki allows for easy tracking of decisions and records of discussion/comments regarding the development process.

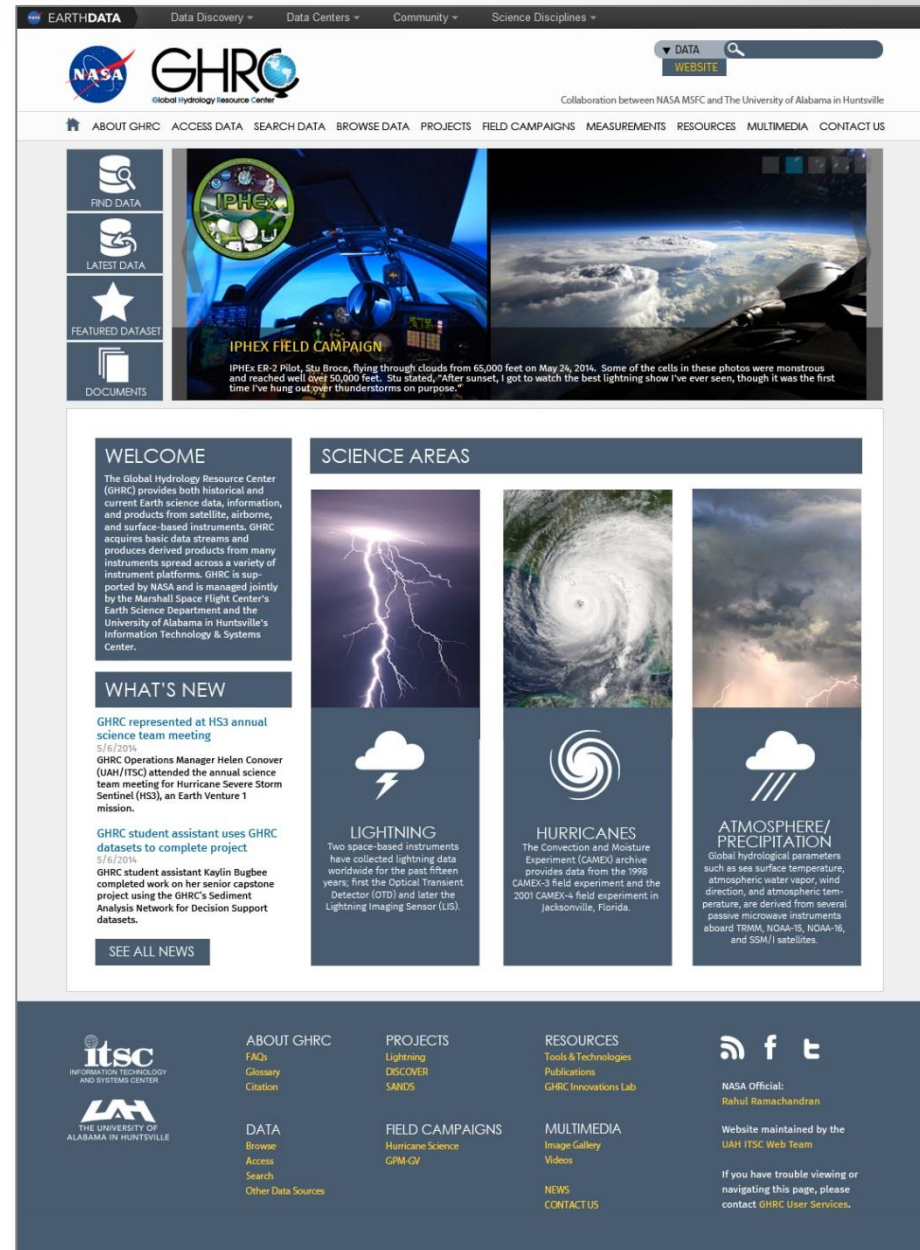


| Decision/Task | Status |
|--|-------------|
| Check/validate the content types that Matt has created | DECIDED |
| Decide the Site Banner / Header Image | DECIDED |
| What base Drupal distribution to use? | DECIDED |
| Decide the site map and layout | DECIDED |
| What base theme to use? | DECIDED |
| Decide mapping between browse images filenames and datasets/granules | NOT STARTED |
| Browse Image Content Type Design and Related Scripts | DECIDED |
| Content Types and Vocabularies Design | DECIDED |
| Should we integrate field campaign portals into the GHRC Website? | DECIDED |
| How to make a Drupal site 508 compliant? | IN PROGRESS |

New Design

Looking to the future

- Currently being built
- Uses Drupal Content Management System (CMS)
- Cleaner look and feel
- Easier, more direct navigation
- Accessibility built into theme (508 Compliant)
- Responsive design
 - Accessible from multiple devices

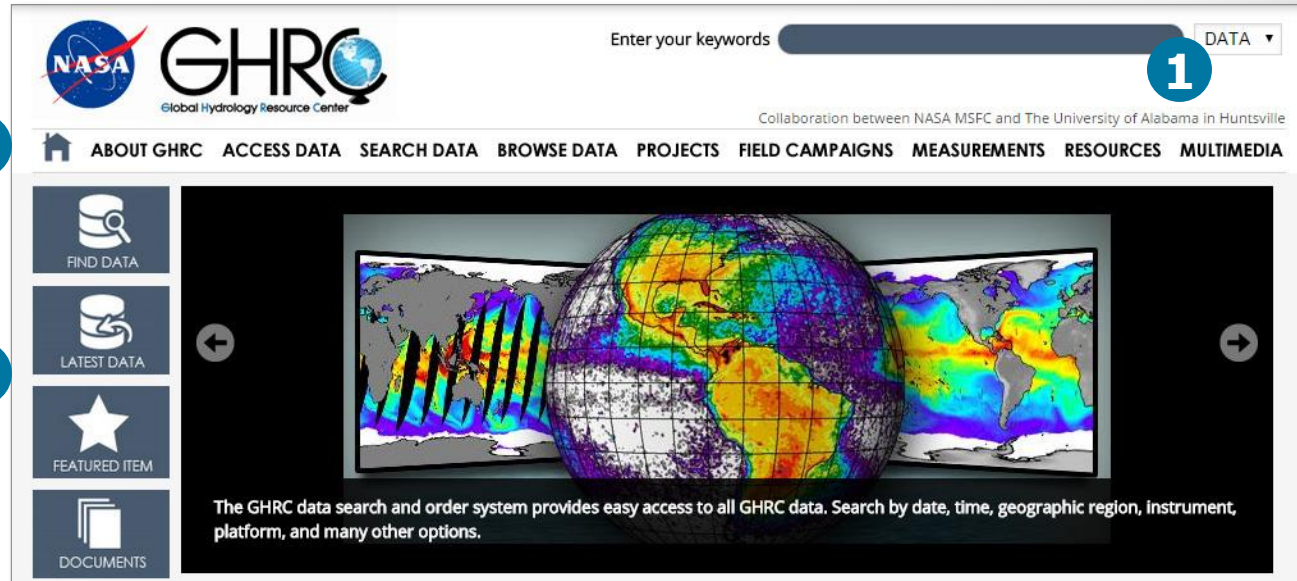


Getting to Data

User has many options to get data right away

2

3



1 Search box at top of page

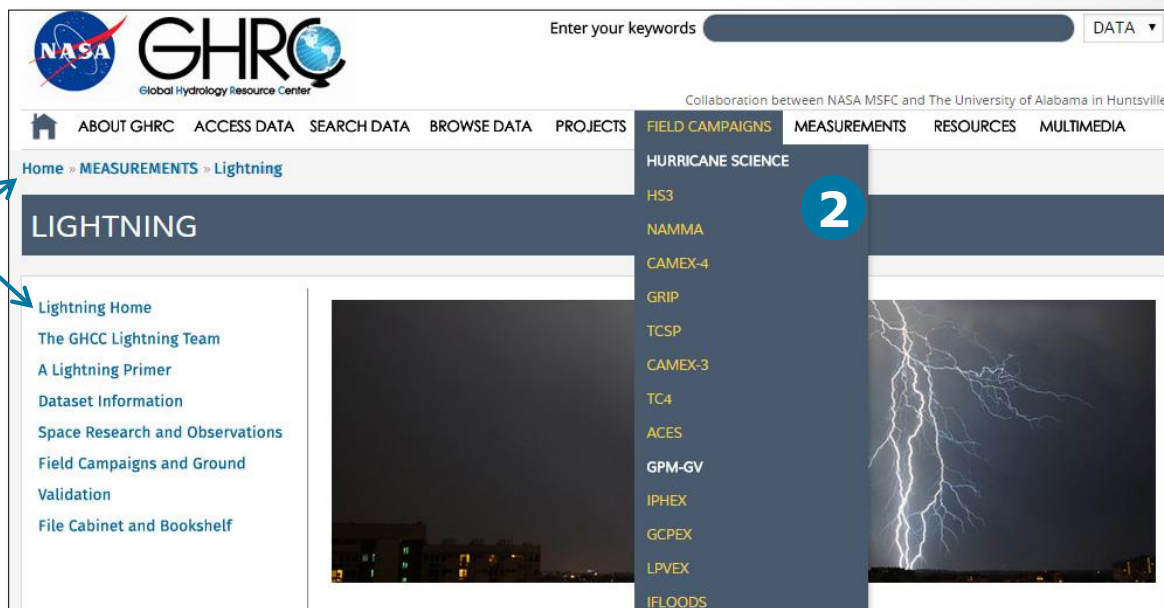
2 Navigation on home page clarifies user choices and emphasizes GHRC is concerned primarily with data

3 Top navigation menu supplemented with additional "quick links" to popular destinations in the form of news-related slides and additional buttons

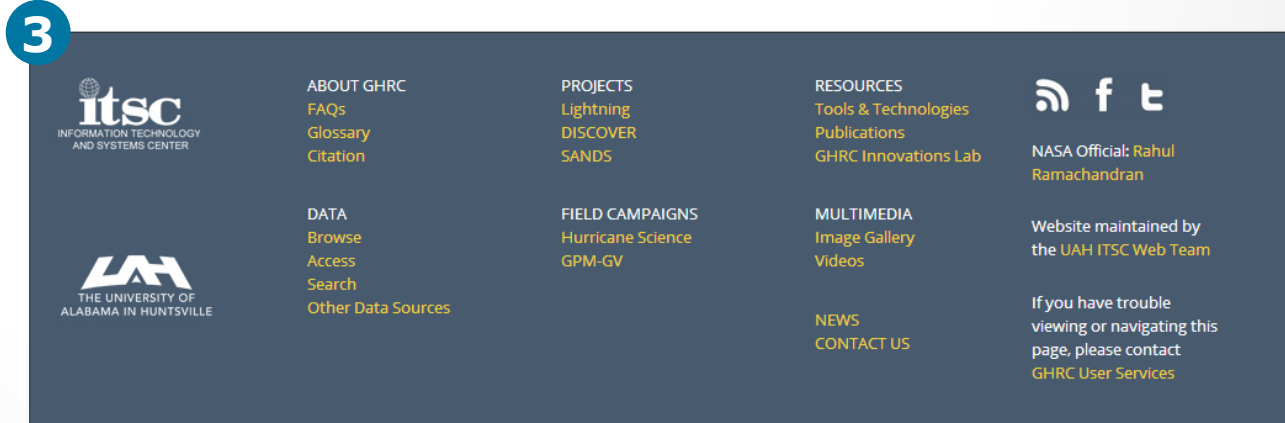
Navigation Improvements


1 Context-specific breadcrumbs and menus

2 Easy-to-use menus



3 The "Fat Footer" contains a summary of site contents and links to additional resources





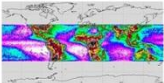
Enter your keywords
DATA ▾

ABOUT GHRC ACCESS DATA SEARCH DATA BROWSE DATA PROJECTS FIELD CAMPAIGNS MEASUREMENTS RESOURCES MULTIMEDIA

Home » MEASUREMENTS » Lightning

LIGHTNING

Lightning Home
 The GHCC Lightning Team
 A Lightning Primer
 Dataset Information
 Space Research and Observations
 Field Campaigns and Ground Validation
 File Cabinet and Bookshelf



Global Lightning Image

Global lightning strikes from January 1998 to present day from the NASA/MSFC Lightning/Image Sensor

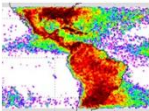
About Lightning Research

The Lightning Team exists as a group of researchers, mostly scientists and engineers. As part of their research activities, the members of this team have been investigating the causes and effects of lightning as well as analyzing a wide variety of atmospheric measurements related to thunderstorms.


One of the primary objectives of this group is to determine the relationship between the electrical characteristics of storms and precipitation, convection, and severe weather. In order to achieve this objective, the Lightning Team has designed, constructed, and deployed numerous types of ground based, airborne, and space based sensors used to detect lightning and characterize the electrical behavior of thunderstorms. The data collected by the Lightning Team is routinely shared with scientists around the globe, resulting in numerous advancements in the field of Atmospheric Science.

A [Lightning Primer](#) and [File Cabinet and Bookshelf](#) are available along with the featured links below.

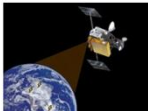
| Name | Organization |
|-------------------|--------------|
| Jeff Bailey | UAH |
| Monte Bateman | USRA |
| Phillip Bitzer | UAH |
| Richard Blakeslee | NASA |
| Dennis Buechler | UAH |
| Larry Carey | UAH |
| Dan Cecil | UAH |
| Hugh Christian | UAH |
| David Corredor | UAH |
| Kevin Knupp | UAH |
| William Koshak | NASA |
| Dough Mach | UAH |
| Bill McCaul | USRA |
| Scott Podgorny | UAH |
| Mike Stewart | UAH |




Dataset Information
Access to data from the Lightning Team's experiments, information about the data, and links to other sources of lightning data.



Field Campaigns and Ground Validation
An overview of field programs in which the Lightning Team has participated, including a description of some of the instruments that were used.




Space Research and Observations
Learn about US, OTD, LMS, and other space based lightning detection instruments designed, built, and maintained by the Lightning Team.




ABOUT GHRC
FAQs
Glossary
Citation

PROJECTS
Lightning
DISCOVER
SANDS

RESOURCES
Tools & Technologies
Publications
GHRC Innovations Lab



NASA Official: Rahul Ramachandran



DATA
Browse
Access
Search
Other Data Sources

FIELD CAMPAIGNS
Hurricane Science
GPM-QV

MULTIMEDIA
Image Gallery
Videos

Website maintained by the UAH ITSC Web Team

NEWS
CONTACT US

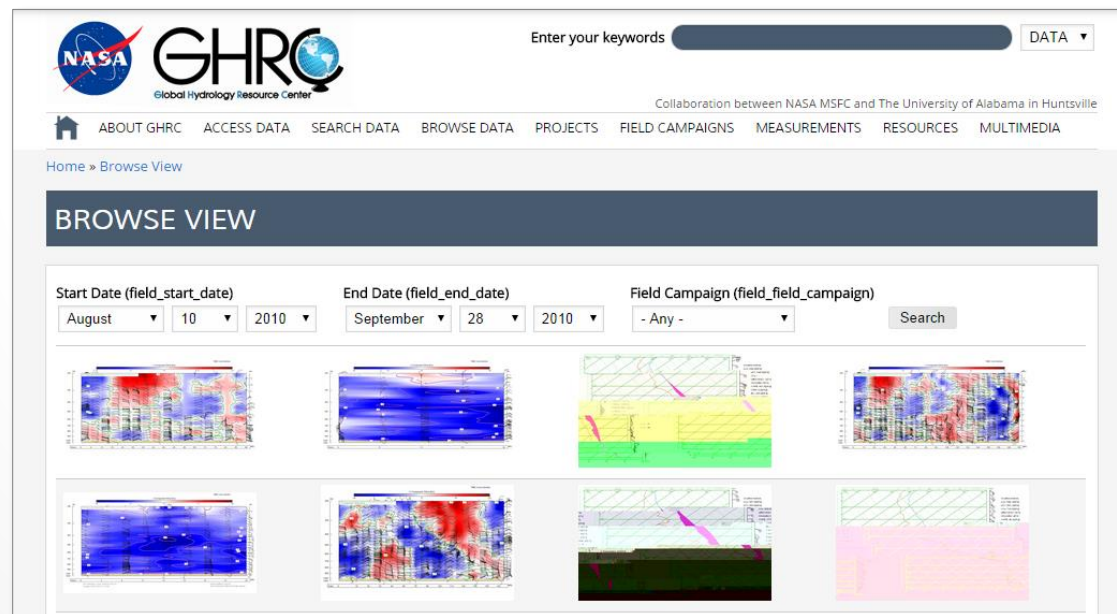
If you have trouble viewing or navigating this page, please contact [GHRC User Services](#)

Sample project “home” page

Individual project pages will not be duplicated and moved into this project, but projects will have a “portal page” provided for them so users can obtain information quickly about the project as a whole before leaving the GHRC site.

Visual data browse options

- Many GHRC datasets have browse-able images associated with them
- We plan on incorporating this as part of a media gallery view of applicable datasets



Discussion

THANK YOU

for your attention!

Questions?

- 1 Have you used our current web site?
- 2 Can you easily find the data and information you need? Do you have suggestions for improvement?
- 3 What features can we include on our website as we move forward that will serve you (our users) better?
- 4 If there are Earth science data web sites or features that you find particularly useful, please point us to them!

Please contact **GHRC User Services** for any help or questions ghrcdaac@itsc.uah.edu

